

AL1005 – Central part of Zarqa groundwater basin

Well AL1005 “DP 4 (FAROUC H.SHLAIF)(PP 144)” in the central part of the Zarqa basin is a monitoring well where the aquifer saturated thickness is forecast to decline to zero by 2030. Although there are available data from 1975, there was a long gap in the record from the mid-1980’s until 2001. Since measurement began in 2001, the water level has declined from about 75 m to 150 m. Based on the current trend, the groundwater level is forecast to decline to below the bottom of the Basalt aquifer at this location before 2030. As noted by Margane and others (2009), use of these data is complicated by the fact that the well is pumped, and thus there is substantial variability over short times. However, the long term trend is still clear and shows that levels are declining in the aquifer in the area of the well.

